IN THE ABSTRACT:

On page 14 of the application please substitute the following amended Abstract, Paragraph [0064]:

[0064] A pneumatic cylinder has a shaft member ~~(14)~~ having a piston ~~(11)~~ and a piston rod ~~(3)~~ combined with each other in an axial direction, a cylinder body ~~(2) for protruding a piston rod (3) outward and~~ supporting the shaft member ~~(14)~~ with the piston rod protruding outwardly therefrom so as to freely reciprocate linearly, and porous air bearings ~~(9)~~ and ~~(12)~~ which are incorporated into the cylinder body ~~(2)~~ and slidably support the piston ~~(11)~~ and the piston rod ~~(3)~~. Materials whose thermal expansion coefficients are approximately equivalent are used for the shaft member ~~(14)~~, the cylinder body ~~(2)~~, and the air bearings ~~(9) and (12)~~. While gaps between the shaft member ~~(14)~~ and the air bearings ~~(9) and (12)~~ are held constant, and ~~performances~~ the functions of air layers formed in the gap, namely, a sliding ~~performance~~ function and a sealing ~~performance~~ function can be maintained stably regardless of temperature change.